

AMENDMENT OF THE CLAIMS

Please amend the claims as shown below:

1. (currently amended) An imaging system, comprising:  
an interlaced imaging device;  
a mirrored shaft that is ~~axially~~ linearly displaceable along an axis of the shaft for presenting different views to said imaging device;  
drive means including an electric motor for ~~reciprocatingly displacing~~ producing linear displacement of said mirrored shaft along said axis to change the view presented to said imaging device; and  
control means for controlling said electric motor in response to a data acquisition control signal of the imaging device such that interlaced video data produced by said imaging device includes data pertaining to two or more different views.
2. (original) The imaging system of Claim 1, wherein said data acquisition control signal is a vertical synchronization control signal that coordinates readout of said video data.
3. (currently amended) The imaging system of Claim 2, wherein said mirrored shaft includes first and second ~~axially~~ linearly separated mirrors that are alternately in position with respect to said imaging device during successive data acquisition periods of said imaging device.
4. (original) The imaging system of Claim 1, wherein said drive means includes a rotary cam mechanism driven by said electric motor and a connecting arm coupling said cam mechanism to said mirrored shaft.
5. (original) The imaging system of Claim 4, wherein said control means continuously drives said electric motor at a speed that is in synchronism with said data acquisition control signal.